Welcome to the





Kennedy Space Center



- 140,000 acres
- Approximately 13,200 people
- Over 1900 CivilServants
- \$1.6 Billion Budget









NASA Vision and Mission

NASA's Vision:

To improve Life here,

To extend Life to there,

To find Life beyond.



"A Renewed Spirit of Discovery"

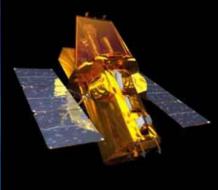


Mission:

To understand and protect our home planet
To explore the Universe and search for life
To inspire the next generation of explorers
...as only NASA can.







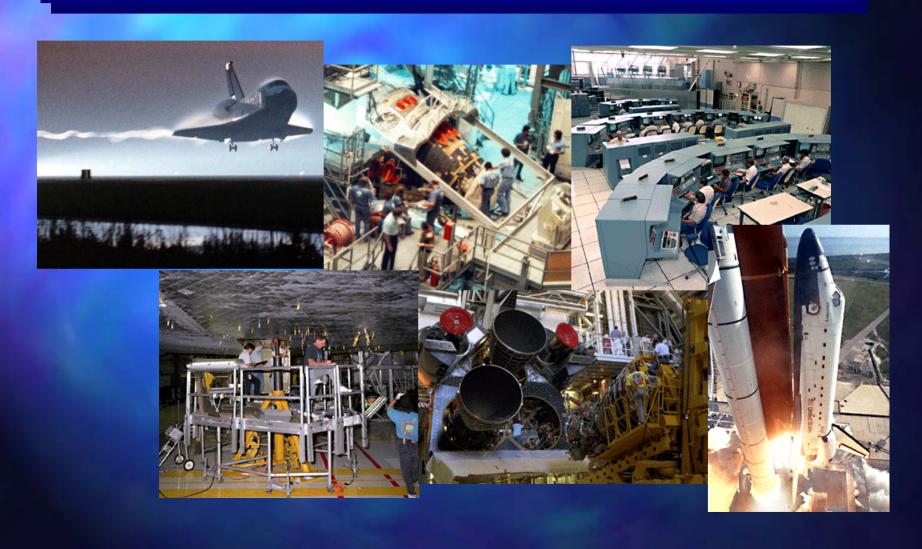
SWIFT



MESSENGER



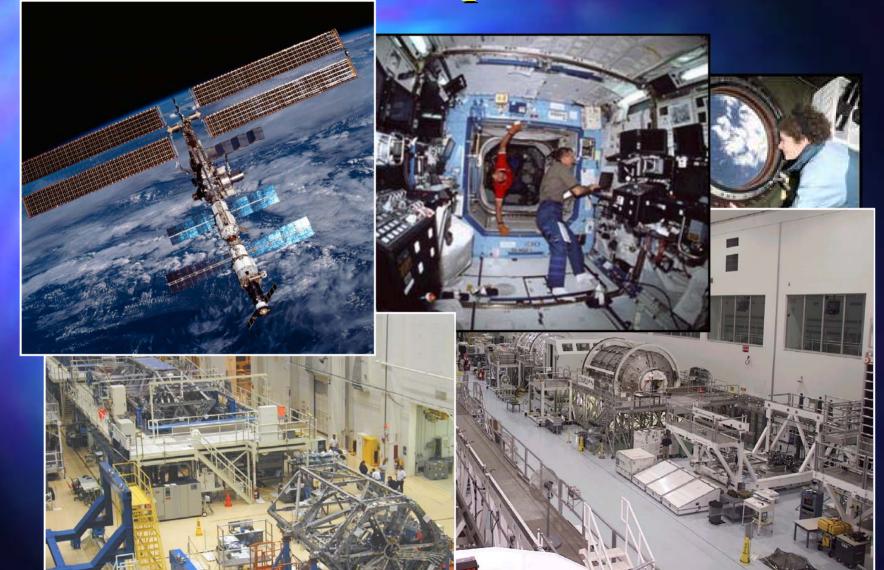
Shuttle Processing SPACE SHUTTLE GROUND OPERATIONS



Space Shuttle Launch



International Space Station





Enabling Functions



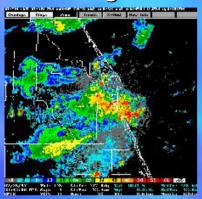
Space Station Processing Facility

Eagle Facility



Spaceport & Range Technology

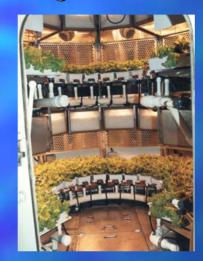
Range



Spaceport Structures and Materials



Biological Sciences





Process & Human Factors



Fluid Systems



Command, Control & Monitoring

T'estbeds

CRYOGENICS TESTBED

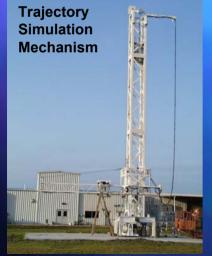


MATERIALS SCIENCE TECHNOLOGY



Fire-Resistant High Performance Polyimide Foams

ELECTROSTATICS & MATERIALS PHYSICS TESTBED



LAUNCH SYSTEMS TESTBED

CORROSION TESTBED





Corrosion Technology Testbed

MISSION



To develop corrosion control technologies and investigate, evaluate, and determine material behavior in various corrosive environments

FACILITIES-CAPABILITIES

- Accelerated corrosion equipment
- Electrochemistry lab
- Coatings application lab
- Atmospheric exposure site
- Seawater immersion system

RECENT FOCUS



- Liquid applied coating for corrosion protection of rebar in concrete
- Electrochemical and atmospheric studies of alloys for launch pads
- Chloride rinse agents
- Anti-foul coatings (SRB recovery ships)
- Formulation of anticorrosive coatings

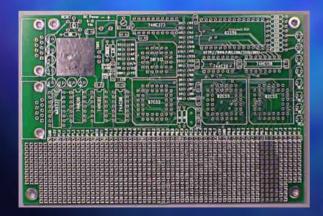




Pollution Prevention Technologies



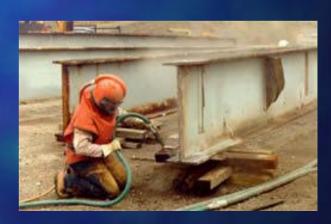
Portable Laser Coating Removal System



Lead-free Solder



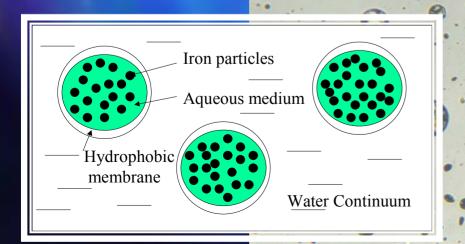
Low-VOC Paint Testing

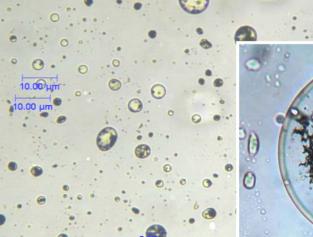


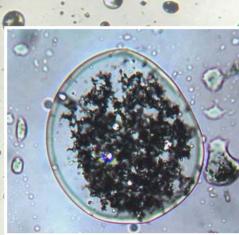
Low Emission Depainting

Environmental Remediation

- Emulsified Zero-Valent Iron
- Applied directly to aquifer to remove chlorinated contaminants
- Emulsion made of corn oil, food-grade surfactant and nano-scale iron
- NASA Patent Issued December, 2003







Expand Your Thinking

Imagine where we can be in the next 50 years!

Dec 17, 1903



100 years, Dec 17, 2003

The moon

Shuttle

Today

Exploration

Space Station

Spaceport

The Future

July 20, 1969

Cape Canaveral, FL

July 24, 1950